Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Monday 15 Jan 2024 until 23:59 on Tuesday 16 Jan 2024

Forecast Issued on Sunday 14 Jan 2024 at 11:39

Confidence: High for mainly dry, cold and clear for much of the period, also for snow and low level rain dominating Tuesday but medium for the detail of snow level then.

Headline for Monday 15 Jan 2024: A dry, cold and sunny day with strong northwest winds bringing a severe wind chill affect.

Mountain weather hazards on Monday 15 Jan 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Clear night	Sunny	Sunny	Sunny	Cloudy	Cloudy
Precipitation probability							
00%	00%	00%	00%	00%	00%	00%	00%

Forecast for Monday 15 Jan 2024

Weather: A dry day with prolonged periods of weak winter sunshine. However cold with the severe wind chill extended to low levels, particularly early in the day.

Chance of cloud-free hill tops above 800m: Virtually 100%

Low cloud and visibility: Very good visibility with little or no cloud

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Forecast for Monday 15 Jan 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	29/36 NW	31/39 N	33/41 N	29/37 N	23/31 NW	23/31 NW	22/28 NW	16/21 NW	16/20 NW
600	17/25 NW	21/30 NW	21/30 NW	18/27 NW	17/25 NW	17/26 NW	14/23 NW	11/18 NW	9/14 W
300	7/24 NW	10/28 NW	10/29 NW	9/27 NW	10/25 NW	9/23 NW	6/20 NW	4/15 NW	3/12 NW
Valley	8/25 NW	10/27 NW	10/27 NW	10/26 NW	11/25 NW	10/23 NW	7/20 NW	6/16 NW	5/14 NW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-7/-17	-7/-18	-8/-19	-8/-19	-8/-17	-7/-16	-7/-16	-8/-15	-7/-14
600	-5/-12	-5/-14	-6/-15	-6/-14	-5/-13	-5/-12	-6/-12	-6/-12	-5/-10
300	-3/-7	-3/-8	-3/-9	-4/-9	-2/-7	-2/-7	-3/-7	-3/-6	-3/-5
Valley	0/-4	0/-4	-0/-5	-1/-6	1/-4	1/-3	-0/-3	-0/-3	0/-2
Freezing Level*	00m	00m	00m	00m	00m	00m	00m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Wind chill effect is the main weather consideration for Monday

Forecast for Tuesday 16 Jan 2024

Weather: Periods of snow and rain reaching all by dawn and only clearing to the south during the evening, with largely dry and clear conditions becoming established by midnight. Confidence Medium for the snow level, initially and laterally reaching low levels, but lifting to around 400m for a time during the afternoon, with the continuing severe wind chill levels correspondingly rising and falling.

Maximum wind: Southwesterly increasing by late morning mean 25-30mph with gusts reaching 45mph over most exposed ridges and summits, before easing and veering northwest as the clearance reaches during the evening.

Chance of cloud-free hill tops above 800m: By day virtually nil with extensive hill fog and driving snow and low level rain.

Low cloud and visibility: Moderate or poor in rain, very poor in snow and within cloud with bases extensive from 600m by day, with patches lower down.

Temperature: **Valleys:** Minus 5 Celsius increasing plus 4 Celsius for a time during the afternoon
At 800m: Minus 6 Celsius increasing minus 3 Celsius for a time during the afternoon
Freezing level: Less than 200m rising 500m for a time during the afternoon

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 14 January Location: Fairfield summit at 13:21. Full report: A fine day in the Lakes with a dusting of new snow down to approximately 500m and moderate cold NE winds over high ground.Ice is present on paths from mid-elevations and above 600m the ground is partially frozen. New snow has formed shallow drifts (ankle deep) in some sheltered areas and may be covering patches of older hard and icy snow, particularly on NE-facing slopes.Striding and Swirral Edge (and similar steep and exposed routes) are both in winter condition and should only be attempted by confident and competent people. An ice axe and cramponsmicrospikes are advised.The windchill (feels-like) temperature was around -12ºC today and anyone who stood still for even short periods would get cold very quickly, and the forecast is similar for tomorrow.Full winter clothing (waterproofs, extra warm layers, hat & gloves), and equipment including a headtorch, map, and compass are all essential. Gogglessunglasses may be useful tomorrow to protect eyes from windblown snow and strong UV. Microspikes and walking poles are also very useful in the current conditions for anyone heading above the snowline. Temperature: minus 2.9C, Maximum wind speed 32mph, Wind chill: minus 12.9C, Average wind speed: 19.7mph

Issued at: 1139 on Sun 14 Jan 2024

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